

WHAT IS CLAIMED IS:

1. A line drawing image generating device for
generating line drawing data based on original image data,
5 comprising:

ink line area detecting means for detecting an area whose
brightness is smaller than a predetermined value in an original
image, as an ink line area;

neighboring area detecting means for detecting a
10 neighboring area of the ink line area, which surrounds the ink
line area;

outline area detecting means for detecting an outline
portion of an image as an outline area, with respect to an area
other than the ink line area and the neighboring area in the original
15 image;

line drawing data storing means for storing the line
drawing data; and

color data writing means for writing color data to a
storage area of the line drawing data storing means, which
20 corresponds to the ink line area and the outline area, and writing
different color data to a storage area of the line drawing data
storing means, which corresponds to an area other than the ink
line area and the outline area.

25 2. The line drawing image generating device according

to claim 1, wherein

the original image contains a plurality of pixels, and
when the ink line area is included in a predetermined
area surrounding a pixel to be processed in the original image,
5 and the pixel to be processed is not included in the ink line area,
the neighboring area detecting means detects the pixel to be
processed as the neighboring area.

3. The line drawing image generating device according
10 to claim 1, wherein the ink line area detecting means detects,
as the ink line area, a portion of an area where brightness is
smaller than a predetermined value, such that the portion lies
near the outline of the area.

15 4. The line drawing image generating device according
to claim 3, wherein
the original image contains a plurality of pixels, and
when an area other than the ink line area is included
in a predetermined area surrounding a pixel to be processed included
20 in an area whose brightness is smaller than a predetermined value,
the ink line area detecting means detects the pixel to be processed
as the ink line area.

5. The line drawing image generating device according
25 to claim 1, further comprising still image data extracting means

for extracting arbitrary still image data from moving image data,
wherein

the line drawing data is generated using the still image
data, which is extracted by the still image data extracting means,
5 as the original image data.

6. A computer readable storage medium storing a line
drawing image generating program for generating line drawing data
based on original image data, wherein the line drawing image
10 generating program causes a computer to execute:

an ink line area detecting step of detecting an area
whose brightness is smaller than a predetermined value in an
original image as an ink line area;

a neighboring area detecting step of detecting a
15 neighboring area of the ink line area, which surrounds the ink
line area;

an outline area detecting step of detecting an outline
portion of an image as an outline area with respect to an area
other than the ink line area and the neighboring area in the original
20 image; and

a color data writing step of writing color data to a
storage area of line drawing data storing means for storing the
line drawing data, which corresponds to the ink line area and the
outline area, and writing different color data to a storage area
25 of the line drawing data storing means, which corresponds to an

area other than the ink line area and the outline area.

7. The storage medium according to claim 6, wherein
the original image contains a plurality of pixels, and
5 when the ink line area is included in a predetermined
area surrounding a pixel to be processed in the original image
and the pixel to be processed is not included in the ink line area,
the line drawing image generating program causes the computer to
detect the pixel to be processed as the neighboring area at the
10 neighboring area detecting step.

8. The storage medium according to claim 6, wherein
the ink line area detecting step detects, as the ink line area,
a portion of an area where brightness is smaller than a predetermined
15 value, such that the portion lies near the outline of the area.

9. The storage medium according to claim 8, wherein
the original image contains a plurality of pixels, and
when an area other than the ink line area is included
20 in a predetermined area surrounding a pixel to be processed included
in an area whose brightness is smaller than a predetermined value,
the line drawing image generating program causes the computer to
detect the pixel to be processed as the ink line area at the ink
line area detecting step.

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10. The line drawing image generating program according to claim 6 further causing the computer to execute a still image data extracting step of extracting arbitrary still image data from moving image data, wherein

5 the line drawing image generating program causes the computer to generate the line drawing data using the still image data, which is extracted by the still image data extracting step, as the original image data.

10 11. A line drawing image generating method for generating line drawing data based on original image data, comprising:

 an ink line area detecting step of detecting an area whose brightness is smaller than a predetermined value in an
15 original image, as an ink line area;

 a neighboring area detecting step of detecting a neighboring area of the ink line area, which surrounds the ink line area;

 an outline area detecting step of detecting an outline
20 portion of an image as an outline area with respect to an area other than the ink line area and the neighboring area in the original image; and

 a color data writing step of writing color data to a storage area of line drawing data storing means for storing the
25 line drawing data, which corresponds to the ink line area and the

outline area, and writing different color data to a storage area of the line drawing data storing means, which corresponds to an area other than the ink line area and the outline area.